

Northern Kentucky Area Occupational Outlook to 2014



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Northern Kentucky Area Occupational Outlook to 2014

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PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2014. Staff utilized data from all programs to project the 2014 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

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INTRODUCTION

Northern Kentucky Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *Northern Kentucky Area Occupational Outlook to 2014* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors, and others will find this information beneficial.

Tables listing the 45 occupations with the largest number of annual job openings and the fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change, and the average number of annual job openings for the period 2004 to 2014.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2004 through 2014. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

NOTE: Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2004-2014 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined, or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2004-2014 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page <http://www.bls.gov/soc/home.htm>.

NORTHERN KENTUCKY HIGHLIGHTS 2004-2014

- ✓ Employment is projected to grow from 196,299 to 220,862, a gain of 12.5 percent.
- ✓ Total annual job openings are expected to be about 7,546.
- ✓ Growth in employment will create about 2,733 job openings annually.
- ✓ Approximately 4,813 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-six percent of job openings will result from growth; the remaining 67 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Office and Administrative Support Occupations (1,091), followed by Food Preparation and Serving Related Occupations (1,042), and Sales and Related Occupations (972).
- ✓ Occupations with the largest percentage change are Network Systems and Data Communications Analysts (43.8%), Home Health Aides (41.8%), Personal Financial Advisors (40.5%) and Broadcast Technicians (40.0%).
- ✓ The largest growth rates are likely to be in Animal Care and Service Worker Occupations (34.3%), Postsecondary Teacher Occupations (33.8%), and Firefighting and Prevention Worker Occupations (32.3%).
- ✓ The two occupations with the largest number of annual job openings are Cashiers (324) and Waiters and Waitresses (319).

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	1) Total average annual job openings and 2) employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	1) Employment growth (new jobs), 2) employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	<i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separations. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	1) The number of workers who are currently employed, 2) the number of job vacancies created by worker separation, and 3) the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
Northern Kentucky Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<u>Management Occupations</u>				
11-1021	General & Operations Mgrs.	41	47	88
11-9051	Food Service Mgrs.	26	17	43
11-9199	Mgrs., All Other	10	27	37
<u>Business and Financial Operations Occupations</u>				
13-2011	Accountants & Auditors	33	25	58
<u>Education, Training and Library Occupations</u>				
25-2021	Elem. School Teachers, Ex. Special Education	24	30	54
25-3099	Teachers & Instructors, All Other	34	15	49
25-9041	Teacher Assistants	22	21	43
<u>Healthcare Practitioners and Technical Occupations</u>				
29-1111	Registered Nurses	78	64	142
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies & Attendants	38	27	65
<u>Protective Service Occupations</u>				
33-9099	Protective Service Workers, All Other	0	39	39
<u>Food Preparation and Serving Related Occupations</u>				
35-3031	Waiters & Waitresses	91	228	319
35-3021	Combined Food Prep. & Serving Workers	58	122	180
35-2011	Cooks, Fast Food	41	57	98
35-2014	Cooks, Restaurant	35	51	86
35-2021	Food Preparation Workers	28	47	75
35-1012	Mgrs. of Food Preparation & Serving Workers	30	34	64
35-3011	Bartenders	11	36	47
<u>Building and Grounds Cleaning and Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	47	54	101
37-2012	Maids & Housekeeping Cleaners	16	26	42
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	67	66	133

Top 45
Northern Kentucky Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings		
		Average Annual		
		2004-2014		
		Growth	Separations	Total
<u>Sales and Related Occupations</u>				
41-2011	Cashiers	32	292	324
41-2031	Retail Salespersons	83	206	289
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	33	53	86
41-1011	Mgrs. of Retail Sales Workers	26	46	72
41-2021	Counter & Rental Clerks	18	31	49
<u>Office and Administrative Support Occupations</u>				
43-4051	Customer Service Representatives	74	53	127
43-5081	Stock Clerks & Order Fillers	0	111	111
43-9061	Office Clerks, General	20	66	86
43-4111	Interviewers, Ex. Eligibility & Loan	37	32	69
43-6011	Executive Secretaries & Admin. Assistants	21	42	63
43-3011	Bill & Account Collectors	27	32	59
43-4171	Receptionists & Information Clerks	22	34	56
43-1011	Mgrs. of Office & Admin. Support Workers	9	42	51
43-3031	Bookkeeping, Accounting & Auditing Clerks	3	44	47
<u>Constructing and Extraction Occupations</u>				
47-1011	Mgrs. of Constr. Trades & Extraction Workers	19	21	40
47-2031	Carpenters	20	18	38
<u>Installation, Maintenance and Repair Occupations</u>				
49-9042	Maintenance & Repair Workers, General	24	35	59
<u>Production Occupations</u>				
51-2092	Team Assemblers	37	54	91
51-9198	Helpers--Production Workers	14	26	40
51-9111	Packaging & Filling Machine Ops. & Tenders	7	30	37
<u>Transportation and Material Moving Occupations</u>				
53-7062	Laborer & Freight, Stock & Material Mover, Hand	56	115	171
53-7064	Packers & Packagers, Hand	46	61	107
53-3032	Truck Drivers, Heavy & Tractor-Trailer	51	41	92
53-7051	Industrial Truck & Tractor Operators	36	37	73
53-3031	Driver/Sales Workers	17	20	37

**Top 45
Fastest Growing Northern Kentucky Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2004	Projected 2014	2004-2014 Number	Percent	Average Annual 2004-2014
<u>Management Occupations</u>						
11-3042	Training & Development Mgrs.	52	67	15	28.8	3
11-3041	Compensation & Benefits Mgrs.	113	143	30	26.5	5
<u>Business and Financial Operations Occupations</u>						
13-2052	Personal Financial Advisors	84	118	34	40.5	4
13-1079	HR, Training & Labor Relations Spec.	135	176	41	30.4	6
<u>Computer and Mathematical Occupations</u>						
15-1081	Network Systems & Data Comm. Analysts	190	273	83	43.8	11
15-1032	Computer Software Engineers, Systems Soft.	157	219	62	39.5	8
15-1031	Computer Software Engineers, Applications	602	819	217	36.0	27
15-1071	Network & Computer Systems Admin.	324	437	113	34.9	15
<u>Life, Physical, and Social Science Occupations</u>						
19-3031	Clinical, Counseling & School Psychologists	98	130	32	32.7	5
<u>Community and Social Service Occupations</u>						
21-1093	Social & Human Service Assistants	248	316	68	27.4	11
<u>Legal Occupations</u>						
23-2011	Paralegals & Legal Assistants	320	409	89	27.8	12
<u>Education, Training and Library Occupations</u>						
25-1081	Education Teachers, Post.	102	138	36	35.3	6
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	40	54	14	35.0	2
25-1071	Health Specialties Teachers, Post.	103	139	36	35.0	6
25-1111	Crim. Justice & Law Enforcement Teach., Post.	64	86	22	34.4	3
25-1011	Business Teachers, Post.	76	102	26	34.2	5
25-1121	Art, Drama & Music Teachers, Post.	323	433	110	34.1	20
25-1021	Computer Science Teachers, Post.	127	170	43	33.9	8
25-1061	Anthropology & Archeology Teachers, Post.	125	167	42	33.6	6
25-1041	Agricultural Sciences Teachers, Post.	45	60	15	33.3	3
25-1191	Graduate Teaching Assistants	312	412	100	32.1	17
25-9031	Instructional Coordinators	83	109	26	31.3	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	266	343	77	28.9	14
25-2011	Preschool Teachers, Ex. Special Education	585	747	162	27.7	23
25-3099	Teachers & Instructors, All Other	1,242	1,583	341	27.5	49
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	66	84	18	27.3	3

**Top 45
Fastest Growing Northern Kentucky Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2004	Projected 2014	2004-2014 Number	Percent	Average Annual 2004-2014
<u>Art, Design, Entertainment, Sports and Media Occupations</u>						
27-4012	Broadcast Technicians	30	42	12	40.0	2
27-2023	Umpires, Referees & Other Sports Officials	36	49	13	36.1	2
27-4021	Photographers	31	40	9	29.0	2
27-2042	Musicians & Singers	38	48	10	26.3	2
<u>Healthcare Practitioners and Technical Occupations</u>						
29-2041	EMTs & Paramedics	307	396	89	29.0	13
29-2021	Dental Hygienists	132	168	36	27.3	5
<u>Healthcare Support Occupations</u>						
31-1011	Home Health Aides	318	451	133	41.8	17
31-9092	Medical Assistants	449	617	168	37.4	25
31-9091	Dental Assistants	302	384	82	27.2	16
<u>Protective Service Occupations</u>						
33-2011	Fire Fighters	431	573	142	32.9	27
33-1021	Mgrs. of Fire Fighting & Prevent	133	173	40	30.1	10
<u>Personal Care and Service Occupations</u>						
39-3012	Gaming & Sports Book Writers & Runners	41	56	15	36.6	3
39-2021	Nonfarm Animal Caretakers	128	172	44	34.4	7
39-2011	Animal Trainers	38	51	13	34.2	2
39-9021	Personal & Home Care Aides	200	264	64	32.0	9
39-9011	Child Care Workers	2,434	3,100	666	27.4	133
<u>Office and Administrative Support Occupations</u>						
43-4111	Interviewers, Ex. Eligibility & Loan	1,238	1,612	374	30.2	69
<u>Constructing and Extraction Occupations</u>						
47-4051	Highway Maintenance Workers	203	261	58	28.6	9
<u>Transportation and Material Moving Occupations</u>						
53-5011	Sailors & Marine Oilers	76	100	24	31.6	5

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment 2004 2014		Job Growth 2004 2014		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	
Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure. NOTE: Alphabetical listing beginning on page 64 will help locate a specific occupation within the tables.		Estimated 2004 employment is based on the Occupational Employment Statistics (OES) Survey of employers. Projected 2014 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2004 and 2014. NOTE: The occupational employment estimates for 2004 to 2014 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.		Number The total number of jobs in an occupation gained or lost over the 2004 to 2014 period. Percent Percent change in employment in an occupation over the 10 year period. NOTE: In Kentucky, the average growth for all occupations is projected to be 12.2 percent between 2004-2014. The growth of an occupation is classified as one of the following based on its percent change: 1) Declining (< 0%) 2) Stable (0% - 6.99%) 3) Growing (7% - 16.99%) 4) Fast Growing (17% - 23.99%) 5) Very Fast Growing (> 24%)		Growth Provides estimates of the average number of job openings expected to occur each year between 2004 and 2014. Separations Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers. Total The sum of openings due to growth and openings due to separations for an occupation. NOTE: If employment growth is negative, the total number of job openings will equal the number of separations.			Average Wage in this report always refers to the 2005 mean hourly wage.	Education and/or Training Levels Required are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11). NOTE: The various categories are described in detail on page 76 of this report.

Northern Kentucky Area Occupational Employment Outlook

Management Occupations

Occupational Code Title	Employment*		Change 2004-2014		Job Openings Average Annual 2004-2014			Average Wage 2005	Educ/ Training Req'd~
	2004 Estimated	2014 Projected	Number	Percent	Growth	Separations	Total		
00-0000 Total, All Occupations	196,299	220,862	24,563	12.5	2,733	4,813	7,546	16.99	n/a
11-0000 Management Occupations	11,255	13,066	1,811	16.1	181	210	391	37.43	n/a
11-1000 Top Executives	3,280	3,839	559	17.0	56	62	118	n/a	n/a
11-1011 Chief Executives	793	941	148	18.7	15	15	30	68.37	4
11-1021 General & Operations Mgrs.	2,487	2,898	411	16.5	41	47	88	39.58	4
11-1031 Legislators	*	*	*	*	*	*	*	n/a	4
11-2000 Advertising, Market, Promotions, P.R. & Sales	963	1,157	194	20.1	19	18	37	n/a	n/a
11-2011 Advertising & Promotions Mgrs.	55	65	10	18.2	1	1	2	24.90	4
11-2021 Marketing Mgrs.	227	279	52	22.9	5	4	9	37.64	4
11-2022 Sales Mgrs.	568	684	116	20.4	12	11	23	39.13	4
11-2031 Public Relations Mgrs.	113	129	16	14.2	2	2	4	33.17	4
11-3000 Operations Specialties Mgrs.	2,369	2,735	366	15.4	37	42	79	n/a	n/a
11-3011 Administrative Services Mgrs.	330	372	42	12.7	4	6	10	26.63	4
11-3021 Computer & Information Systems Mgrs.	306	374	68	22.2	7	6	13	43.68	4
11-3031 Financial Mgrs.	694	810	116	16.7	12	10	22	39.16	4
11-3041 Compensation & Benefits Mgrs.	113	143	30	26.5	3	2	5	32.28	4
11-3042 Training & Development Mgrs.	52	67	15	28.8	2	1	3	31.75	4
11-3049 Human Resources Mgrs., All Other	127	145	18	14.2	2	2	4	39.09	4
11-3051 Industrial Production Mgrs.	298	320	22	7.4	2	6	8	35.82	8
11-3061 Purchasing Mgrs.	190	215	25	13.2	3	4	7	36.50	4
11-3071 Transportation, Storage & Distribution Mgrs.	259	289	30	11.6	3	5	8	36.47	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Management Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
11-9000	Other Management Occupations	4,643	5,335	692	14.9	69	89	158	n/a	n/a
11-9011	Farm, Ranch & Other Agricultural Mgrs.	212	217	5	2.4	1	4	5	n/a	4
11-9012	Farmers & Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Mgrs.	564	678	114	20.2	11	10	21	27.14	5
11-9031	Education Admin., Preschool, Child Care Center	82	100	18	22.0	2	2	4	21.86	4
11-9032	Education Admin., Elem. & Secondary School	250	291	41	16.4	4	6	10	n/a	4
11-9033	Education Admin., Post.	51	63	12	23.5	1	1	2	n/a	4
11-9039	Education Admin., All Other	34	41	7	20.6	1	1	2	20.29	4
11-9041	Engineering Mgrs.	173	199	26	15.0	3	3	6	44.05	4
11-9051	Food Service Mgrs.	1,047	1,309	262	25.0	26	17	43	20.66	8
11-9061	Funeral Directors	107	112	5	4.7	1	3	4	n/a	6
11-9081	Lodging Mgrs.	70	87	17	24.3	2	1	3	18.11	8
11-9111	Medical & Health Services Mgrs.	188	226	38	20.2	4	4	8	39.86	4
11-9121	Natural Sciences Mgrs.	*	*	*	*	*	*	*	n/a	4
11-9131	Postmasters & Mail Superintendents	33	33	0	0.0	0	1	1	26.69	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	347	371	24	6.9	2	7	9	22.19	5
11-9151	Social & Community Service Mgrs.	104	124	20	19.2	2	2	4	21.94	5
11-9199	Mgrs., All Other	1,368	1,469	101	7.4	10	27	37	33.24	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Business & Financial Operations Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
13-0000 Business & Financial Operations Occupations		6,666	7,487	821	12.3	93	131	224	23.59	n/a
13-1000	Business Operations Spec.	2,964	3,427	463	15.6	47	57	104	n/a	n/a
13-1011	Agents & Business Mgrs. of Artists, Perf. & Ath.	*	*	*	*	*	*	*	n/a	4
13-1021	Purchasing Agents & Buyers, Farm Products	*	*	*	*	*	*	*	n/a	8
13-1022	Whole. & Retail Buyers, Ex. Farm Products	155	172	17	11.0	2	4	6	23.23	8
13-1023	Purchasing Agents, Ex. Wholesale & Retail	462	532	70	15.2	7	12	19	25.17	8
13-1031	Claims Adjusters, Examiners & Investigators	96	115	19	19.8	2	1	3	27.32	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	n/a	9
13-1041	Compliance Officers, Ex. Agr., Constr., Health	292	290	-2	-0.7	0	7	7	26.46	9
13-1051	Cost Estimators	291	347	56	19.2	6	7	13	23.37	8
13-1061	Emergency Management Spec.	*	*	*	*	*	*	*	n/a	8
13-1071	Employment, Recruitment & Placement Spec.	128	156	28	21.9	3	2	5	17.70	5
13-1072	Compensation, Benefits & Job Analysis Spec.	88	104	16	18.2	2	1	3	22.30	5
13-1073	Training & Development Spec.	301	351	50	16.6	5	5	10	21.81	5
13-1079	HR, Training & Labor Relations Spec.	135	176	41	30.4	4	2	6	23.90	5
13-1081	Logisticians	117	134	17	14.5	2	2	4	27.19	5
13-1111	Management Analysts	344	387	43	12.5	4	5	9	32.00	4
13-1121	Meeting & Convention Planners	37	44	7	18.9	1	1	2	17.86	5
13-1199	Business Operations Spec., All Other	493	592	99	20.1	10	8	18	31.76	5
13-2000	Financial Specialists	3,702	4,060	358	9.7	47	74	121	n/a	n/a
13-2011	Accountants & Auditors	1,308	1,636	328	25.1	33	25	58	23.53	5
13-2021	Appraisers & Assessors of Real Estate	*	*	*	*	*	*	*	25.18	7
13-2031	Budget Analysts	91	108	17	18.7	2	2	4	26.81	5
13-2041	Credit Analysts	*	*	*	*	*	*	*	n/a	5
13-2051	Financial Analysts	188	226	38	20.2	4	3	7	26.65	5
13-2052	Personal Financial Advisors	84	118	34	40.5	3	1	4	23.40	5
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	n/a	5
13-2061	Financial Examiners	*	*	*	*	*	*	*	n/a	5
13-2071	Loan Counselors	*	*	*	*	*	*	*	n/a	5
13-2072	Loan Officers	208	228	20	9.6	2	3	5	23.25	5
13-2081	Tax Examiners, Collectors & Revenue Agents	*	*	*	*	*	*	*	18.56	5
13-2082	Tax Preparers	*	*	*	*	*	*	*	n/a	10
13-2099	Financial Spec., All Other	146	158	12	8.2	1	3	4	24.87	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Computer & Mathematical Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
15-0000 Computer & Mathematical Occupations		3,115	3,766	651	20.9	69	39	108	28.17	n/a
15-1000	Computer Specialists	3,056	3,694	638	20.9	67	37	104	n/a	n/a
15-1011	Computer & Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	374	338	-36	-9.6	0	9	9	26.27	5
15-1031	Computer Software Engineers, Applications	602	819	217	36.0	21	6	27	35.07	5
15-1032	Computer Software Engineers, Systems Soft.	157	219	62	39.5	6	2	8	30.44	5
15-1041	Computer Support Spec.	723	781	58	8.0	6	9	15	18.97	6
15-1051	Computer Systems Analysts	507	605	98	19.3	10	6	16	34.00	5
15-1061	Database Admin.	137	171	34	24.8	3	1	4	29.73	5
15-1071	Network & Computer Systems Admin.	324	437	113	34.9	11	4	15	25.65	5
15-1081	Network Systems & Data Comm. Analysts	190	273	83	43.8	9	2	11	28.59	5
15-1099	Computer Spec., All Other	41	50	9	22.0	1	1	2	26.59	6
15-2000	Mathematical Scientists	59	72	13	22.0	1	2	3	n/a	n/a
15-2011	Actuaries	*	*	*	*	*	*	*	n/a	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	53	63	10	18.9	1	1	2	n/a	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Architecture & Engineering Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
17-0000 Architecture & Engineering Occupations		1,642	1,815	173	10.5	19	38	57	30.78	n/a
17-1000	Architects, Surveyors & Cartographers	59	69	10	16.9	1	1	2	n/a	n/a
17-1011	Architects, Ex. Landscape & Naval	39	43	4	10.3	0	0	0	30.32	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	n/a	5
17-1021	Cartographers & Photogrammetrists	*	*	*	*	*	*	*	n/a	5
17-1022	Surveyors	*	*	*	*	*	*	*	21.85	5
17-2000	Engineers	999	1,115	116	11.6	13	24	37	n/a	n/a
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	n/a	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	37	42	5	13.5	1	1	2	35.62	5
17-2051	Civil Engineers	75	83	8	10.7	1	1	2	32.83	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	5
17-2071	Electrical Engineers	88	95	7	8.0	1	2	3	30.41	5
17-2072	Electronics Engineers, Ex. Computer	46	35	-11	-23.9	0	1	1	n/a	5
17-2081	Environmental Engineers	*	*	*	*	*	*	*	n/a	5
17-2111	Health & Safety Engineers, Ex. Mining Safety	*	*	*	*	*	*	*	28.76	5
17-2112	Industrial Engineers	217	254	37	17.1	4	5	9	28.82	5
17-2121	Marine Engineers & Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	5
17-2141	Mechanical Engineers	305	344	39	12.8	4	8	12	29.92	5
17-2151	Mining & Geological Engrs., Incl. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	n/a	5
17-2199	Engineers, All Other	161	180	19	11.8	2	3	5	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Architecture & Engineering Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
17-3000	Drafters, Engineering & Mapping Technicians	584	631	47	8.0	5	14	19	n/a	n/a
17-3011	Architectural & Civil Drafters	76	76	0	0.0	0	2	2	17.38	7
17-3012	Electrical & Electronics Drafters	*	*	*	*	*	*	*	16.36	7
17-3013	Mechanical Drafters	55	59	4	7.3	0	2	2	19.53	7
17-3019	Drafters, All Other	*	*	*	*	*	*	*	n/a	7
17-3021	Aerospace Engineering & Ops. Technicians	*	*	*	*	*	*	*	n/a	6
17-3022	Civil Engineering Technicians	75	85	10	13.3	1	2	3	n/a	6
17-3023	Electrical & Electronic Engineering Technicians	210	226	16	7.6	2	4	6	21.37	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	6
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3026	Industrial Engineering Technicians	*	*	*	*	*	*	*	21.39	6
17-3027	Mechanical Engineering Technicians	34	34	0	0.0	0	1	1	21.24	6
17-3029	Engineering Technicians, Ex. Drafters, All Other	37	45	8	21.6	1	1	2	24.26	6
17-3031	Surveying & Mapping Technicians	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Life, Physical & Social Science Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
19-0000 Life, Physical & Social Science Occupations		763	908	145	19.0	15	18	33	23.50	n/a
19-1000	Life Scientists	129	154	25	19.4	3	3	6	n/a	n/a
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	5
19-1012	Food Scientists & Technologists	72	86	14	19.4	1	1	2	n/a	5
19-1013	Soil & Plant Scientists	*	*	*	*	*	*	*	n/a	5
19-1021	Biochemists & Biophysicists	*	*	*	*	*	*	*	n/a	2
19-1022	Microbiologists	*	*	*	*	*	*	*	n/a	2
19-1023	Zoologists & Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-1031	Conservation Scientists	*	*	*	*	*	*	*	n/a	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Ex. Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-2000	Physical Scientists	100	112	12	12.0	1	3	4	n/a	n/a
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	n/a	2
19-2021	Atmospheric & Space Scientists	*	*	*	*	*	*	*	n/a	5
19-2031	Chemists	41	46	5	12.2	1	1	2	26.59	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	5
19-2041	Environmental Scientists & Spec., Incl. Health	46	53	7	15.2	1	1	2	21.97	3
19-2042	Geoscientists, Ex. Hydrologists & Geographers	*	*	*	*	*	*	*	n/a	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Life, Physical & Social Science Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
19-3000	Social Scientists & Related Workers	344	433	89	25.9	9	8	17	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3021	Market Research Analysts	204	250	46	22.5	5	5	10	27.52	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	5
19-3031	Clinical, Counseling & School Psychologists	98	130	32	32.7	3	2	5	21.47	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	3
19-3051	Urban & Regional Planners	*	*	*	*	*	*	*	n/a	3
19-3091	Anthropologists & Archeologists	*	*	*	*	*	*	*	n/a	3
19-3092	Geographers	*	*	*	*	*	*	*	n/a	3
19-3093	Historians	*	*	*	*	*	*	*	n/a	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	3
19-4000	Life, Physical & Social Science Technicians	190	209	19	10.0	2	5	7	n/a	n/a
19-4011	Agricultural & Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	11.96	6
19-4031	Chemical Technicians	108	113	5	4.6	1	3	4	22.20	6
19-4041	Geological & Petroleum Technicians	*	*	*	*	*	*	*	n/a	6
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	n/a	6
19-4091	Environ. Sci. & Protection Techs., Incl. Health	*	*	*	*	*	*	*	n/a	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4093	Forest & Conservation Technicians	*	*	*	*	*	*	*	n/a	6
19-4099	Life, Physical & Social Sci. Tech., All Other	*	*	*	*	*	*	*	n/a	6

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Community & Social Service Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
21-0000 Community & Social Services Occupations		1,478	1,754	276	18.7	28	28	56	16.92	n/a
21-1000	Counselors, Social Work. & Other Social Serv.	1,451	1,722	271	18.7	27	27	54	n/a	n/a
21-1011	Substance Abuse & Behavioral Disorder Couns.	43	51	8	18.6	1	1	2	25.56	3
21-1012	Educational, Vocational & School Counselors	196	240	44	22.4	4	5	9	21.32	3
21-1013	Marriage & Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1014	Mental Health Counselors	*	*	*	*	*	*	*	n/a	3
21-1015	Rehabilitation Counselors	*	*	*	*	*	*	*	15.18	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	n/a	3
21-1021	Child, Family & School Social Workers	*	*	*	*	*	*	*	n/a	5
21-1022	Medical & Public Health Social Workers	95	117	22	23.2	2	2	4	22.46	5
21-1023	Mental Health & Subst. Abuse Social Workers	40	48	8	20.0	1	1	2	13.59	3
21-1029	Social Workers, All Other	*	*	*	*	*	*	*	n/a	5
21-1091	Health Educators	*	*	*	*	*	*	*	28.23	3
21-1092	Probation Offcr. & Correctional Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social & Human Service Assistants	248	316	68	27.4	7	4	11	11.14	10
21-1099	Community & Social Service Spec., All Other	30	36	6	20.0	1	1	2	n/a	5
21-2000	Religious Workers	*	*	*	*	*	*	*	n/a	n/a
21-2011	Clergy	*	*	*	*	*	*	*	19.04	3
21-2021	Directors, Religious Activities & Education	*	*	*	*	*	*	*	n/a	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Legal Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
23-0000	Legal Occupations	1,876	2,087	211	11.2	24	21	45	28.63	n/a
23-1000	Lawyers, Judges & Related Workers	684	817	133	19.4	13	9	22	n/a	n/a
23-1011	Lawyers	625	755	130	20.8	13	8	21	54.39	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Offcr.	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators & Conciliators	*	*	*	*	*	*	*	n/a	4
23-1023	Judges, Magistrate Judges & Magistrates	*	*	*	*	*	*	*	n/a	4
23-2000	Legal Support Workers	1,192	1,270	78	6.5	10	12	22	n/a	n/a
23-2011	Paralegals & Legal Assistants	320	409	89	27.8	9	3	12	15.53	6
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	7
23-2092	Law Clerks	95	107	12	12.6	1	1	2	11.25	5
23-2093	Title Examiners, Abstractors & Searchers	*	*	*	*	*	*	*	18.69	10
23-2099	Legal Support Workers, All Other	722	696	-26	-3.6	0	8	8	19.83	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Education, Training & Library Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
25-0000 Education, Training & Library Occupations		8,617	10,592	1,975	22.9	198	175	373	16.85	n/a
25-1000	Postsecondary Teachers	1,332	1,782	450	33.8	45	30	75	n/a	n/a
25-1011	Business Teachers, Post.	76	102	26	34.2	3	2	5	n/a	3
25-1021	Computer Science Teachers, Post.	127	170	43	33.9	3	5	8	n/a	3
25-1022	Mathematical Science Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1031	Architecture Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1032	Engineering Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1041	Agricultural Sciences Teachers, Post.	45	60	15	33.3	1	2	3	n/a	2
25-1042	Biological Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1043	Forestry & Conservation Sci. Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	40	54	14	35.0	1	1	2	n/a	2
25-1052	Chemistry Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1054	Physics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1061	Anthropology & Archeology Teachers, Post.	125	167	42	33.6	2	4	6	n/a	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1063	Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1064	Geography Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1065	Political Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1066	Psychology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1067	Sociology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1069	Social Sciences Teachers, Post., All Other	*	*	*	*	*	*	*	n/a	2
25-1071	Health Specialties Teachers, Post.	103	139	36	35.0	2	4	6	n/a	3
25-1072	Nursing Instructors & Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1081	Education Teachers, Post.	102	138	36	35.3	2	4	6	n/a	2
25-1082	Library Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Education, Training & Library Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
25-1111	Crim. Justice & Law Enforcement Teach., Post.	64	86	22	34.4	1	2	3	n/a	2
25-1112	Law Teachers, Post.	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1121	Art, Drama & Music Teachers, Post.	323	433	110	34.1	8	12	20	n/a	3
25-1122	Communications Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1123	English Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1124	Foreign Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1125	History Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1126	Philosophy & Religion Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1191	Graduate Teaching Assistants	312	412	100	32.1	7	10	17	n/a	5
25-1192	Home Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1193	Recreation & Fitness Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1194	Vocational Education Teachers, Post.	*	*	*	*	*	*	*	18.48	4
25-1199	Post. Teachers, All Other	*	*	*	*	*	*	*	n/a	2
25-2000	Primary, Secondary & Special Ed. Teachers	4,104	4,885	781	19.0	78	90	168	n/a	n/a
25-2011	Preschool Teachers, Ex. Special Education	585	747	162	27.7	16	7	23	9.94	7
25-2012	Kindergarten Teachers, Ex. Special Education	*	*	*	*	*	*	*	n/a	5
25-2021	Elem. School Teachers, Ex. Special Education	1,359	1,601	242	17.8	24	30	54	n/a	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	668	752	84	12.6	8	15	23	n/a	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	n/a	4
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	783	902	119	15.2	12	22	34	n/a	5
25-2032	Vocational Ed. Teachers, Secondary School	31	35	4	12.9	0	1	1	n/a	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	266	343	77	28.9	8	6	14	n/a	5
25-2042	Special Education Teachers, Middle School	170	214	44	25.9	4	4	8	n/a	5
25-2043	Special Education Teachers, Secondary School	129	156	27	20.9	3	3	6	n/a	5

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Education, Training & Library Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
25-3000	Other Teachers & Instructors	1,458	1,863	405	27.8	41	18	59	n/a	n/a
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	66	84	18	27.3	2	1	3	18.22	5
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	12.25	8
25-3099	Teachers & Instructors, All Other	1,242	1,583	341	27.5	34	15	49	11.75	5
25-4000	Librarians, Curators & Archivists	488	560	72	14.8	7	14	21	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	3
25-4013	Museum Technicians & Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	279	313	34	12.2	3	7	10	23.94	3
25-4031	Library Technicians	*	*	*	*	*	*	*	11.95	7
25-9000	Other Ed., Training & Library Occupations	1,235	1,502	267	21.6	27	23	50	n/a	n/a
25-9011	Audio-Visual Collections Spec.	*	*	*	*	*	*	*	n/a	10
25-9021	Farm & Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	83	109	26	31.3	3	1	4	23.32	3
25-9041	Teacher Assistants	1,078	1,300	222	20.6	22	21	43	n/a	11
25-9099	Education, Training & Library Workers, Other	70	88	18	25.7	2	1	3	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Arts, Design, Entertainment, Sports & Media Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
27-0000	Arts, Design, Entertain., Sports & Media Occs.	1,907	2,207	300	15.7	32	45	77	15.66	n/a
27-1000	Art & Design Workers	711	795	84	11.8	10	11	21	n/a	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	4
27-1012	Craft Artists	*	*	*	*	*	*	*	n/a	9
27-1013	Fine Artists, Incl. Painters, Sculpt. & Illustrators	*	*	*	*	*	*	*	n/a	9
27-1014	Multi-Media Artists & Animators	*	*	*	*	*	*	*	n/a	5
27-1019	Artists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-1021	Commercial & Industrial Designers	53	51	-2	-3.8	0	1	1	22.08	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	6
27-1023	Floral Designers	138	167	29	21.0	3	2	5	10.24	10
27-1024	Graphic Designers	260	308	48	18.5	5	4	9	23.74	5
27-1025	Interior Designers	37	41	4	10.8	0	1	1	18.59	6
27-1026	Merchandise Displayers & Window Trimmers	61	68	7	11.5	1	1	2	11.15	10
27-1027	Set & Exhibit Designers	*	*	*	*	*	*	*	n/a	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	5
27-2000	Entertainers & Performers, Sports & Related	504	620	116	23.0	12	20	32	n/a	n/a
27-2011	Actors	*	*	*	*	*	*	*	n/a	9
27-2012	Producers & Directors	32	40	8	25.0	1	1	2	n/a	4
27-2021	Athletes & Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches & Scouts	106	133	27	25.5	3	2	5	n/a	9
27-2023	Umpires, Referees & Other Sports Officials	36	49	13	36.1	1	1	2	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	141	169	28	19.9	3	9	12	14.21	8
27-2041	Music Directors & Composers	*	*	*	*	*	*	*	n/a	4
27-2042	Musicians & Singers	38	48	10	26.3	1	1	2	n/a	9
27-2099	Entertainers & Perf., Sports & Related, All Other	*	*	*	*	*	*	*	n/a	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
27-3000	Media & Communication Workers	543	602	59	10.9	7	10	17	n/a	n/a
27-3011	Radio & Television Announcers	36	31	-5	-13.9	0	1	1	n/a	9
27-3012	Public Address System & Other Announcers	*	*	*	*	*	*	*	n/a	9
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	n/a	4
27-3022	Reporters & Correspondents	*	*	*	*	*	*	*	10.27	4
27-3031	Public Relations Spec.	281	325	44	15.7	4	4	8	19.18	5
27-3041	Editors	56	61	5	8.9	1	1	2	22.63	5
27-3042	Technical Writers	*	*	*	*	*	*	*	n/a	5
27-3043	Writers & Authors	*	*	*	*	*	*	*	n/a	5
27-3091	Interpreters & Translators	*	*	*	*	*	*	*	n/a	9
27-3099	Media & Communication Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-4000	Media & Communication Equipment Workers	149	190	41	27.5	4	3	7	n/a	n/a
27-4011	Audio & Video Equipment Technicians	50	61	11	22.0	1	1	2	n/a	9
27-4012	Broadcast Technicians	30	42	12	40.0	1	1	2	10.15	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	7
27-4021	Photographers	31	40	9	29.0	1	1	2	10.80	9
27-4031	Camera Operators, TV, Video & Motion Picture	*	*	*	*	*	*	*	n/a	10
27-4032	Film & Video Editors	*	*	*	*	*	*	*	n/a	5
27-4099	Media & Comm. Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Healthcare Practitioners & Technical Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	Total		
29-0000 Healthcare Practitioners & Technical Occs.		7,495	9,081	1,586	21.2	159	143	302	26.69	n/a
29-1000	Health Diagnosing & Treating Practitioners	4,487	5,513	1,026	22.9	103	89	192	n/a	n/a
29-1011	Chiropractors	*	*	*	*	*	*	*	n/a	1
29-1021	Dentists, General	90	98	8	8.9	1	2	3	n/a	1
29-1022	Oral & Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians & Nutritionists	56	66	10	17.9	1	2	3	22.72	5
29-1041	Optometrists	*	*	*	*	*	*	*	n/a	1
29-1051	Pharmacists	288	346	58	20.1	6	6	12	41.24	1
29-1061	Physicians & Surgeons	*	*	*	*	*	*	*	n/a	1
29-1062	Anesthesiologists	68	76	8	11.8	1	1	2	62.12	1
29-1063	Family & General Practitioners	81	94	13	16.0	1	1	2	85.23	1
29-1064	Internists, General	115	135	20	17.4	2	2	4	85.69	1
29-1065	Obstetricians & Gynecologists	*	*	*	*	*	*	*	95.65	1
29-1066	Pediatricians, General	*	*	*	*	*	*	*	n/a	1
29-1067	Psychiatrists	32	36	4	12.5	0	0	0	n/a	1
29-1069	Surgeons	70	81	11	15.7	1	1	2	61.61	1
29-1071	Physician Assistants	*	*	*	*	*	*	*	n/a	5
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	3,058	3,837	779	25.5	78	64	142	26.94	6
29-1121	Audiologists	*	*	*	*	*	*	*	n/a	1
29-1122	Occupational Therapists	70	88	18	25.7	2	1	3	27.07	3
29-1123	Physical Therapists	138	166	28	20.3	3	1	4	28.21	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	n/a	6
29-1125	Recreational Therapists	*	*	*	*	*	*	*	n/a	5
29-1126	Respiratory Therapists	63	77	14	22.2	1	2	3	22.71	6
29-1127	Speech-Language Pathologists	139	155	16	11.5	2	4	6	22.38	3
29-1129	Therapists, All Other	*	*	*	*	*	*	*	n/a	5
29-1131	Veterinarians	*	*	*	*	*	*	*	35.51	1
29-1199	Health Diagnosing & Treat. Practitioners, Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Healthcare Practitioners & Tech. Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
29-2000	Health Technologists & Technicians	2,909	3,449	540	18.6	54	51	105	n/a	n/a
29-2011	Medical & Clinical Laboratory Technologists	135	155	20	14.8	2	4	6	n/a	5
29-2012	Medical & Clinical Laboratory Technicians	54	64	10	18.5	1	2	3	15.69	6
29-2021	Dental Hygienists	132	168	36	27.3	4	1	5	22.82	6
29-2031	Cardiovascular Technologists & Technicians	63	76	13	20.6	1	1	2	n/a	6
29-2032	Diagnostic Medical Sonographers	46	57	11	23.9	1	1	2	n/a	6
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	n/a	6
29-2034	Radiologic Technologists & Technicians	261	313	52	19.9	5	5	10	22.23	6
29-2041	Emergency Medical Technicians & Paramedics	307	396	89	29.0	9	4	13	11.69	7
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	n/a	10
29-2052	Pharmacy Technicians	403	484	81	20.1	8	5	13	12.03	10
29-2053	Psychiatric Technicians	33	34	1	3.0	0	0	0	n/a	10
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	n/a	6
29-2055	Surgical Technologists	92	115	23	25.0	2	1	3	17.02	7
29-2056	Veterinary Technologists & Technicians	*	*	*	*	*	*	*	9.79	6
29-2061	Licensed Practical & Licensed Voc. Nurses	1,011	1,148	137	13.6	14	22	36	18.42	7
29-2071	Medical Records & Health Info. Technicians	209	259	50	23.9	5	3	8	15.61	6
29-2081	Opticians, Dispensing	52	52	0	0.0	0	1	1	12.31	9
29-2091	Orthotists & Prosthetists	*	*	*	*	*	*	*	n/a	5
29-2099	Health Technologists & Technicians, All Other	48	55	7	14.6	1	1	2	16.43	7
29-9000	Other Healthcare Practitioners & Tech. Occs.	99	119	20	20.2	2	2	4	n/a	n/a
29-9011	Occupational Health & Safety Spec.	62	76	14	22.6	1	1	2	26.26	5
29-9012	Occupational Health & Safety Technicians	*	*	*	*	*	*	*	n/a	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Healthcare Support Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
31-0000 Healthcare Support Occupations		3,743	4,601	858	22.9	86	59	145	11.58	n/a
31-1000	Nursing, Psychiatric & Home Health Aides	2,411	2,927	516	21.4	52	32	84	n/a	n/a
31-1011	Home Health Aides	318	451	133	41.8	13	4	17	10.51	11
31-1012	Nursing Aides, Orderlies & Attendants	2,076	2,460	384	18.5	38	27	65	11.00	7
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	n/a	11
31-2000	Occupational & Phys. Therapist Assist. & Aides	106	121	15	14.2	2	2	4	n/a	n/a
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	n/a	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-2021	Physical Therapist Assistants	32	39	7	21.9	1	1	2	16.81	6
31-2022	Physical Therapist Aides	49	54	5	10.2	1	1	2	10.35	11
31-9000	Other Healthcare Support Occupations	1,226	1,553	327	26.7	33	26	59	n/a	n/a
31-9011	Massage Therapists	70	85	15	21.4	2	1	3	n/a	7
31-9091	Dental Assistants	302	384	82	27.2	8	8	16	12.19	10
31-9092	Medical Assistants	449	617	168	37.4	17	8	25	11.98	10
31-9093	Medical Equipment Preparers	98	114	16	16.3	2	2	4	n/a	11
31-9094	Medical Transcriptionists	136	164	28	20.6	3	3	6	14.21	7
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	8.36	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	*	*	*	*	*	*	*	n/a	11
31-9099	Healthcare Support Workers, All Other	128	139	11	8.6	1	2	3	13.05	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Protective Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
33-0000 Protective Service Occupations		3,135	3,613	478	15.2	49	115	164	16.21	n/a
33-1000	Mgrs., Protective Service Workers	388	478	90	23.2	9	13	22	n/a	n/a
33-1011	Mgrs. of Correctional Officers	*	*	*	*	*	*	*	n/a	8
33-1012	Mgrs. of Police & Detectives	180	220	40	22.2	4	6	10	25.09	8
33-1021	Mgrs. of Fire Fighting & Prevent	133	173	40	30.1	4	6	10	22.82	8
33-1099	Mgrs. of Protective Service Workers, Other	71	81	10	14.1	1	2	3	20.44	8
33-2000	Fire Fighting & Prevention Workers	439	581	142	32.3	14	13	27	n/a	n/a
33-2011	Fire Fighters	431	573	142	32.9	14	13	27	15.99	9
33-2021	Fire Inspectors & Investigators	*	*	*	*	*	*	*	n/a	8
33-2022	Forest Fire Inspectors & Prevention Spec.	*	*	*	*	*	*	*	n/a	8
33-3000	Law Enforcement Workers	973	1,179	206	21.2	21	24	45	n/a	n/a
33-3011	Bailiffs	*	*	*	*	*	*	*	n/a	10
33-3012	Correctional Officers & Jailers	83	101	18	21.7	2	2	4	n/a	10
33-3021	Detectives & Criminal Investigators	*	*	*	*	*	*	*	27.38	8
33-3031	Fish & Game Wardens	*	*	*	*	*	*	*	n/a	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	n/a	11
33-3051	Police & Sheriff's Patrol Officers	743	903	160	21.5	16	19	35	18.93	9
33-3052	Transit & Railroad Police	*	*	*	*	*	*	*	n/a	9
33-9000	Other Protective Service Workers	1,335	1,375	40	3.0	5	65	70	n/a	n/a
33-9011	Animal Control Workers	*	*	*	*	*	*	*	n/a	10
33-9021	Private Detectives & Investigators	88	110	22	25.0	2	2	4	13.06	8
33-9031	Gaming Surveillance Ofcrs. & Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	470	462	-8	-1.7	0	10	10	12.90	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	8.73	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	178	193	15	8.4	2	12	14	7.24	11
33-9099	Protective Service Workers, All Other	561	562	1	0.2	0	39	39	15.97	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Food Preparation & Serving Related Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
35-0000 Food Preparation & Serving Related Occs.		17,737	21,239	3,502	19.7	350	692	1,042	7.96	n/a
35-1000 Supervisors, Food Prep. & Serving Workers		1,673	2,031	358	21.4	36	41	77	n/a	n/a
35-1011	Chefs & Head Cooks	255	310	55	21.6	6	8	14	11.44	8
35-1012	Mgrs. of Food Preparation & Serving Workers	1,418	1,721	303	21.4	30	34	64	11.59	8
35-2000 Cooks & Food Preparation Workers		5,518	6,622	1,104	20.0	110	177	287	n/a	n/a
35-2011	Cooks, Fast Food	1,850	2,259	409	22.1	41	57	98	7.23	11
35-2012	Cooks, Institution & Cafeteria	619	668	49	7.9	5	19	24	9.45	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	1,649	2,002	353	21.4	35	51	86	9.47	9
35-2015	Cooks, Short Order	81	95	14	17.3	1	3	4	9.72	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	10
35-2021	Food Preparation Workers	1,318	1,597	279	21.2	28	47	75	8.62	11
35-3000 Food & Beverage Serving Workers		8,737	10,429	1,692	19.4	169	414	583	n/a	n/a
35-3011	Bartenders	910	1,023	113	12.4	11	36	47	6.82	11
35-3021	Combined Food Prep. & Serving Workers	2,815	3,392	577	20.5	58	122	180	7.62	11
35-3022	Counter Attend., Cafeteria & Food Concession	279	349	70	25.1	7	18	25	7.54	11
35-3031	Waiters & Waitresses	4,428	5,335	907	20.5	91	228	319	6.65	11
35-3041	Food Servers, Nonrestaurant	305	330	25	8.2	3	10	13	9.11	11
35-9000 Other Food Prep. & Serving Related Workers		1,809	2,157	348	19.2	35	60	95	n/a	n/a
35-9011	Dining & Cafeteria Attend. & Bartender Helpers	591	711	120	20.3	12	20	32	6.82	11
35-9021	Dishwashers	567	663	96	16.9	10	19	29	7.79	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	603	730	127	21.1	13	19	32	7.23	11
35-9099	Food Prep. & Serving Related Workers, Other	48	53	5	10.4	1	2	3	9.86	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Building, Grounds Cleaning & Maintenance Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
37-0000	Building & Grounds Cleaning & Maint. Occs.	5,426	6,298	872	16.1	88	108	196	10.54	n/a
37-1000	Sprvisors., Bldg. & Grounds Cleaning Workers	613	740	127	20.7	13	12	25	n/a	n/a
37-1011	Mgrs. of Housekeeping & Janitorial Workers	455	541	86	18.9	9	11	20	12.79	8
37-1012	Mgrs. of Landscaping, Lawn Service	158	199	41	25.9	4	2	6	18.88	8
37-2000	Building Cleaning & Pest Control Workers	4,089	4,722	633	15.5	63	80	143	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	2,840	3,314	474	16.7	47	54	101	10.05	11
37-2012	Maids & Housekeeping Cleaners	1,244	1,402	158	12.7	16	26	42	9.30	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	15.25	10
37-3000	Grounds Maintenance Workers	724	836	112	15.5	12	16	28	n/a	n/a
37-3011	Landscaping & Groundskeeping Workers	693	804	111	16.0	11	15	26	10.53	11
37-3012	Pesticide Handlers, Sprayers & Applic., Veget.	*	*	*	*	*	*	*	n/a	10
37-3013	Tree Trimmers & Pruners	*	*	*	*	*	*	*	8.88	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Personal Care & Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
39-0000 Personal Care & Service Occupations		7,827	9,430	1,603	20.5	160	169	329	16.93	n/a
39-1000	Supervisors, Personal Care & Service Workers	388	453	65	16.8	7	10	17	n/a	n/a
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	n/a	8
39-1021	Mgrs. of Personal Service Workers	388	453	65	16.8	7	10	17	13.70	8
39-2000	Animal Care & Service Workers	166	223	57	34.3	6	4	10	n/a	n/a
39-2011	Animal Trainers	38	51	13	34.2	1	1	2	n/a	10
39-2021	Nonfarm Animal Caretakers	128	172	44	34.4	4	3	7	10.30	11
39-3000	Entertainment Attendants & Related Workers	499	606	107	21.4	11	19	30	n/a	n/a
39-3012	Gaming & Sports Book Writers & Runners	41	56	15	36.6	2	1	3	n/a	11
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	n/a	11
39-3031	Ushers, Lobby Attendants & Ticket Takers	140	172	32	22.9	3	8	11	7.80	11
39-3091	Amusement & Recreation Attendants	203	250	47	23.2	5	6	11	8.19	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	11
39-3093	Locker, Coatroom & Dressing Room Attendants	35	39	4	11.4	0	1	1	n/a	11
39-3099	Entertainment Attend. & Related Workers, Other	*	*	*	*	*	*	*	8.58	10
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-4011	Embalmers	*	*	*	*	*	*	*	n/a	7
39-4021	Funeral Attendants	*	*	*	*	*	*	*	n/a	11
39-5000	Personal Appearance Workers	1,000	1,188	188	18.8	19	19	38	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	n/a	7
39-5012	Hairdressers, Hairstylists & Cosmetologists	819	962	143	17.5	14	16	30	10.68	7
39-5091	Makeup Artists, Theatrical & Performance	*	*	*	*	*	*	*	n/a	7
39-5092	Manicurists & Pedicurists	*	*	*	*	*	*	*	n/a	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Spec.	*	*	*	*	*	*	*	n/a	7
39-6000	Transportation, Tourism & Lodging Attendants	2,448	2,804	356	14.5	36	32	68	n/a	n/a
39-6011	Baggage Porters & Bellhops	39	45	6	15.4	1	1	2	7.04	11
39-6012	Concierges	*	*	*	*	*	*	*	n/a	10
39-6021	Tour Guides & Escorts	*	*	*	*	*	*	*	n/a	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Ex. Flight Attend., Bag Porters	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Personal Care & Service Occs. (cont'd)

Occupational		Employment*		Change 2004-2014		Job Openings Average Annual 2004-2014			Average Wage 2005	Educ/ Training Req'd~
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
39-9000	Other Personal Care & Service Workers	3,303	4,130	827	25.0	83	85	168	n/a	n/a
39-9011	Child Care Workers	2,434	3,100	666	27.4	67	66	133	8.63	11
39-9021	Personal & Home Care Aides	200	264	64	32.0	6	3	9	8.02	11
39-9031	Fitness Trainers & Aerobics Instructors	212	230	18	8.5	2	5	7	11.62	7
39-9032	Recreation Workers	288	337	49	17.0	5	7	12	10.12	11
39-9041	Residential Advisors	*	*	*	*	*	*	*	10.11	10
39-9099	Personal Care & Service Workers, All Other	95	107	12	12.6	1	2	3	8.05	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Sales & Related Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
41-0000 Sales & Related Occupations		21,623	24,091	2,468	11.4	251	721	972	14.77	n/a
41-1000	Supervisors, Sales Workers	3,153	3,473	320	10.1	32	57	89	n/a	n/a
41-1011	Mgrs. of Retail Sales Workers	2,558	2,818	260	10.2	26	46	72	15.98	8
41-1012	Mgrs. of Non-Retail Sales Workers	595	655	60	10.1	6	11	17	26.93	8
41-2000	Retail Sales Workers	12,749	14,048	1,299	10.2	132	537	669	n/a	n/a
41-2011	Cashiers	5,998	6,313	315	5.3	32	292	324	8.22	11
41-2012	Gaming Change Persons & Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter & Rental Clerks	813	993	180	22.1	18	31	49	9.81	11
41-2022	Parts Salespersons	268	243	-25	-9.3	0	8	8	15.09	10
41-2031	Retail Salespersons	5,670	6,499	829	14.6	83	206	289	9.95	11
41-3000	Sales Representatives, Services	1,385	1,616	231	16.7	24	24	48	n/a	n/a
41-3011	Advertising Sales Agents	171	202	31	18.1	3	3	6	27.51	10
41-3021	Insurance Sales Agents	195	229	34	17.4	3	5	8	*	5
41-3031	Securities, Commodities & Financial Serv. Sales	527	590	63	12.0	6	6	12	52.79	5
41-3041	Travel Agents	40	35	-5	-12.5	0	1	1	n/a	7
41-3099	Sales Representatives, Services, All Other	452	560	108	23.9	11	9	20	25.36	10
41-4000	Sales Reps., Wholesale & Manufacturing	2,577	3,010	433	16.8	43	68	111	n/a	n/a
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	551	650	99	18.0	10	15	25	33.52	10
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	2,026	2,360	334	16.5	33	53	86	27.52	10
41-9000	Other Sales & Related Workers	1,759	1,944	185	10.5	20	36	56	n/a	n/a
41-9011	Demonstrators & Product Promoters	141	153	12	8.5	1	3	4	9.51	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	n/a	8
41-9022	Real Estate Sales Agents	725	807	82	11.3	8	14	22	14.90	7
41-9031	Sales Engineers	*	*	*	*	*	*	*	23.45	5
41-9041	Telemarketers	206	192	-14	-6.8	0	3	3	13.07	11
41-9091	Door-To-Door Sales, News & Street Vendors	*	*	*	*	*	*	*	n/a	11
41-9099	Sales & Related Workers, All Other	158	188	30	19.0	3	3	6	25.43	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Office & Administrative Support Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
43-0000 Office & Administrative Support Occupations		36,151	37,072	921	2.5	260	831	1,091	13.86	n/a
43-1000	Supervisors, Office & Admin. Support Workers	1,949	2,038	89	4.6	9	42	51	n/a	n/a
43-1011	Mgrs. of Office & Admin. Support Workers	1,949	2,038	89	4.6	9	42	51	20.49	8
43-2000	Communications Equipment Operators	269	259	-10	-3.7	0	7	7	n/a	n/a
43-2011	Switchboard Operators, Incl. Answering Service	267	257	-10	-3.7	0	7	7	11.96	11
43-2021	Telephone Operators	*	*	*	*	*	*	*	n/a	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	n/a	11
43-3000	Financial Clerks	5,950	6,346	396	6.7	40	128	168	n/a	n/a
43-3011	Bill & Account Collectors	1,672	1,940	268	16.0	27	32	59	12.00	11
43-3021	Billing & Posting Clerks & Machine Operators	1,004	1,006	2	0.2	0	17	17	14.15	10
43-3031	Bookkeeping, Accounting & Auditing Clerks	2,343	2,370	27	1.2	3	44	47	14.65	10
43-3051	Payroll & Timekeeping Clerks	342	399	57	16.7	6	9	15	15.02	10
43-3061	Procurement Clerks	125	130	5	4.0	1	3	4	14.99	11
43-3071	Tellers	464	501	37	8.0	4	23	27	11.31	11
43-4000	Information & Record Clerks	11,170	12,111	941	8.4	149	240	389	n/a	n/a
43-4011	Brokerage Clerks	244	270	26	10.7	3	3	6	15.29	10
43-4021	Correspondence Clerks	63	54	-9	-14.3	0	2	2	n/a	11
43-4031	Court, Municipal & License Clerks	*	*	*	*	*	*	*	n/a	11
43-4041	Credit Authorizers, Checkers & Clerks	*	*	*	*	*	*	*	16.36	11
43-4051	Customer Service Representatives	3,592	4,327	735	20.5	74	53	127	14.38	10
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	n/a	10
43-4071	File Clerks	295	183	-112	-38.0	0	9	9	12.61	11
43-4081	Hotel, Motel & Resort Desk Clerks	265	294	29	10.9	3	12	15	7.90	11
43-4111	Interviewers, Ex. Eligibility & Loan	1,238	1,612	374	30.2	37	32	69	13.08	11
43-4121	Library Assistants, Clerical	170	199	29	17.1	3	7	10	9.00	11
43-4131	Loan Interviewers & Clerks	171	175	4	2.3	0	2	2	13.59	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	n/a	8
43-4151	Order Clerks	329	243	-86	-26.1	0	7	7	14.78	11
43-4161	H.R. Assistants, Ex. Payroll & Timekeeping	205	239	34	16.6	3	4	7	16.84	11
43-4171	Receptionists & Information Clerks	1,396	1,618	222	15.9	22	34	56	10.10	11
43-4181	Reservation & Transp. Ticket Agents & Clerks	*	*	*	*	*	*	*	15.31	11
43-4199	Information & Record Clerks, All Other	915	737	-178	-19.5	0	14	14	14.84	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Office & Administrative Support Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
43-5000	Material Recording, Dispatching & Distributing	7,367	6,826	-541	-7.3	13	213	226	n/a	n/a
43-5011	Cargo & Freight Agents	1,084	804	-280	-25.8	0	24	24	n/a	10
43-5021	Couriers & Messengers	151	123	-28	-18.5	0	4	4	10.75	11
43-5031	Police, Fire & Ambulance Dispatchers	69	84	15	21.7	2	2	4	13.29	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	352	349	-3	-0.9	0	8	8	14.64	10
43-5041	Meter Readers, Utilities	159	80	-79	-49.7	0	5	5	13.37	11
43-5051	Postal Service Clerks	55	56	1	1.8	0	2	2	22.93	11
43-5052	Postal Service Mail Carriers	434	440	6	1.4	1	14	15	21.02	11
43-5053	Postal Service Mail Sorters & Processors	58	59	1	1.7	0	2	2	17.64	11
43-5061	Production, Planning & Expediting Clerks	474	522	48	10.1	5	12	17	17.69	11
43-5071	Shipping, Receiving & Traffic Clerks	1,351	1,412	61	4.5	6	28	34	13.76	11
43-5081	Stock Clerks & Order Fillers	2,986	2,718	-268	-9.0	0	111	111	10.82	11
43-5111	Weigher, Measurer, Checker, Sampler, Records.	194	179	-15	-7.7	0	5	5	14.65	11
43-6000	Secretaries & Administrative Assistants	4,435	4,638	203	4.6	27	85	112	n/a	n/a
43-6011	Executive Secretaries & Admin. Assistants	2,190	2,402	212	9.7	21	42	63	16.70	10
43-6012	Legal Secretaries	219	249	30	13.7	3	4	7	14.68	7
43-6013	Medical Secretaries	493	520	27	5.5	3	9	12	12.64	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	1,533	1,467	-66	-4.3	0	29	29	12.34	10
43-9000	Other Office & Administrative Support Workers	5,011	4,854	-157	-3.1	22	117	139	n/a	n/a
43-9011	Computer Operators	99	63	-36	-36.4	0	2	2	18.46	10
43-9021	Data Entry Keyers	693	657	-36	-5.2	0	16	16	11.85	10
43-9022	Word Processors & Typists	70	57	-13	-18.6	0	2	2	15.38	10
43-9031	Desktop Publishers	57	68	11	19.3	1	1	2	17.60	7
43-9041	Insurance Claims & Policy Processing Clerks	55	61	6	10.9	1	1	2	n/a	10
43-9051	Mail Clerks & Mail Machine Ops., Ex. Postal	*	*	*	*	*	*	*	12.02	11
43-9061	Office Clerks, General	2,961	3,159	198	6.7	20	66	86	10.81	11
43-9071	Office Machine Operators, Ex. Computer	186	137	-49	-26.3	0	5	5	14.01	11
43-9081	Proofreaders & Copy Markers	*	*	*	*	*	*	*	n/a	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Administrative Support Workers, Other	330	339	9	2.7	1	8	9	15.98	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Farming, Fishing & Forestry Occupations

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014				
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
45-0000 Farming, Fishing & Forestry Occupations		801	733	-68	-8.5	0	22	22	9.38	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Work.	47	47	0	0.0	0	1	1	n/a	n/a
45-1011	Mgrs. of Farming, Fishing & Forestry Workers	47	47	0	0.0	0	1	1	n/a	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
45-2000	Agricultural Workers	744	677	-67	-9.0	0	21	21	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	n/a	8
45-2021	Animal Breeders	*	*	*	*	*	*	*	n/a	11
45-2041	Graders & Sorters, Agricultural Products	*	*	*	*	*	*	*	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-2092	Farmworkers & Laborers, Crop, Nursery	543	485	-58	-10.7	0	15	15	9.92	11
45-2093	Farmworkers, Farm & Ranch Animals	113	106	-7	-6.2	0	3	3	7.47	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	11
45-3000	Fishing & Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers & Related Fishing Workers	*	*	*	*	*	*	*	n/a	10
45-4000	Forest, Conservation & Logging Workers	*	*	*	*	*	*	*	n/a	10
45-4011	Forest & Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	n/a	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-4023	Log Graders & Scalers	*	*	*	*	*	*	*	n/a	n/a
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	n/a

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Construction & Extraction Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
47-0000 Construction & Extraction Occupations		8,285	9,475	1,190	14.4	119	162	281	17.61	8
47-1000	Supervisors, Construction & Extraction Workers	1,225	1,416	191	15.6	19	21	40	n/a	n/a
47-1011	Mgrs. of Constr. Trades & Extraction Workers	1,225	1,416	191	15.6	19	21	40	25.27	9
47-2000	Construction Trades Workers	6,169	7,033	864	14.0	86	116	202	n/a	n/a
47-2011	Boilermakers	*	*	*	*	*	*	*	n/a	9
47-2021	Brickmasons & Blockmasons	130	154	24	18.5	2	2	4	21.79	9
47-2022	Stonemasons	*	*	*	*	*	*	*	n/a	9
47-2031	Carpenters	1,109	1,308	199	17.9	20	18	38	16.65	10
47-2041	Carpet Installers	*	*	*	*	*	*	*	n/a	10
47-2042	Floor Layers, Ex. Carpet, Wood & Hard Tiles	*	*	*	*	*	*	*	n/a	10
47-2043	Floor Sanders & Finishers	*	*	*	*	*	*	*	n/a	9
47-2044	Tile & Marble Setters	*	*	*	*	*	*	*	n/a	10
47-2051	Cement Masons & Concrete Finishers	186	217	31	16.7	3	4	7	14.08	9
47-2053	Terrazzo Workers & Finishers	*	*	*	*	*	*	*	n/a	10
47-2061	Construction Laborers	1,188	1,227	39	3.3	4	16	20	13.37	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	84	96	12	14.3	1	1	2	22.28	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	764	884	120	15.7	12	20	32	17.77	10
47-2081	Drywall & Ceiling Tile Installers	97	110	13	13.4	1	2	3	19.48	10
47-2082	Tapers	*	*	*	*	*	*	*	20.34	9
47-2111	Electricians	612	677	65	10.6	7	12	19	20.54	9
47-2121	Glaziers	93	109	16	17.2	2	2	4	17.74	10
47-2131	Insulation Workers, Floor, Ceiling & Wall	31	32	1	3.2	0	1	1	n/a	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	10
47-2141	Painters, Construction & Maintenance	233	283	50	21.5	5	4	9	14.92	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	372	431	59	15.9	6	9	15	13.79	9
47-2152	Plumbers, Pipefitters & Steamfitters	361	420	59	16.3	6	8	14	17.82	9
47-2161	Plasterers & Stucco Masons	*	*	*	*	*	*	*	n/a	9
47-2171	Reinforcing Iron & Rebar Workers	*	*	*	*	*	*	*	n/a	10
47-2181	Roofers	120	146	26	21.7	3	3	6	16.23	9
47-2211	Sheet Metal Workers	197	228	31	15.7	3	5	8	17.31	10
47-2221	Structural Iron & Steel Workers	119	136	17	14.3	2	2	4	n/a	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Construction & Extraction Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
47-3000	Helpers, Construction Trades	417	463	46	11.0	5	17	22	n/a	n/a
47-3011	Helpers--Brick, Block, Stone & Tile Setters	44	50	6	13.6	1	2	3	15.42	11
47-3012	Helpers--Carpenters	147	165	18	12.2	2	6	8	10.91	11
47-3013	Helpers--Electricians	80	82	2	2.5	0	3	3	10.69	11
47-3014	Helpers--Paint, Paperhanger, Plasterer & Stucco	*	*	*	*	*	*	*	n/a	11
47-3015	Helpers--Pipelayer & Fitter, Plumber, Steamfitter	101	117	16	15.8	2	4	6	12.36	11
47-3016	Helpers--Roofers	*	*	*	*	*	*	*	n/a	11
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	n/a	11
47-4000	Other Construction & Related Workers	386	474	88	22.8	9	7	16	n/a	n/a
47-4011	Construction & Building Inspectors	48	60	12	25.0	1	1	2	20.61	8
47-4021	Elevator Installers & Repairers	*	*	*	*	*	*	*	n/a	9
47-4031	Fence Erectors	*	*	*	*	*	*	*	n/a	10
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	n/a	10
47-4051	Highway Maintenance Workers	203	261	58	28.6	6	3	9	11.82	10
47-4061	Rail-Track Laying & Maint. Equipment Operators	*	*	*	*	*	*	*	n/a	10
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	10
47-4099	Construction & Related Workers, All Other	*	*	*	*	*	*	*	n/a	10
47-5000	Extraction Workers	88	89	1	1.1	0	2	2	n/a	n/a
47-5011	Derrick Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5012	Rotary Drill Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5013	Service Unit Operators, Oil, Gas & Mining	*	*	*	*	*	*	*	n/a	10
47-5021	Earth Drillers, Ex. Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5031	Explosives Worker, Ordnance Handling & Blaster	*	*	*	*	*	*	*	n/a	10
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	n/a	10
47-5071	Roustabouts, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	n/a	11
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Installation, Maintenance & Repair Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
49-0000 Installation, Maintenance & Repair Occupations		7,869	8,715	846	10.8	87	180	267	18.18	n/a
49-1000	Supervisors of Installation, Maint. & Repair	775	860	85	11.0	9	19	28	n/a	n/a
49-1011	Mgrs. of Mechanics, Installers & Repairers	775	860	85	11.0	9	19	28	23.65	8
49-2000	Electric. & Electron. Equip. Mechanics, Installer	670	709	39	5.8	5	13	18	n/a	n/a
49-2011	Computer, Auto. Teller & Office Machine Repairer	135	141	6	4.4	1	2	3	19.74	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	n/a	7
49-2022	Telecomm. Equip. Installers & Repairers	229	268	39	17.0	4	5	9	n/a	9
49-2091	Avionics Technicians	*	*	*	*	*	*	*	22.54	7
49-2092	Electric Motor, Power Tool & Related Repairers	46	42	-4	-8.7	0	1	1	n/a	7
49-2093	Electric. & Electron. Install & Repair, Transp.	*	*	*	*	*	*	*	n/a	7
49-2094	Electric. & Electron. Rep., Commercial & Industr.	66	67	1	1.5	0	1	1	20.06	7
49-2095	Electric. & Electron. Rep., Powerhouse, Substat.	*	*	*	*	*	*	*	n/a	7
49-2096	Electronic Equip. Install & Repair, Motor Vehicle	*	*	*	*	*	*	*	10.49	7
49-2097	Electronic Home Entertain. Equip. Install & Rep.	58	56	-2	-3.4	0	1	1	n/a	7
49-2098	Security & Fire Alarm Systems Installers	*	*	*	*	*	*	*	n/a	7
49-3000	Vehicle & Mobile Equip. Mechanics, Installers	2,347	2,575	228	9.7	23	60	83	n/a	n/a
49-3011	Aircraft Mechanics & Service Technicians	465	486	21	4.5	2	11	13	26.65	7
49-3021	Automotive Body & Related Repairers	144	158	14	9.7	1	3	4	18.51	9
49-3022	Automotive Glass Installers & Repairers	*	*	*	*	*	*	*	n/a	9
49-3023	Automotive Service Technicians & Mechanics	768	851	83	10.8	8	20	28	17.49	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	414	483	69	16.7	7	11	18	17.73	7
49-3041	Farm Equipment Mechanics	*	*	*	*	*	*	*	n/a	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	232	260	28	12.1	3	5	8	18.38	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	9
49-3051	Motorboat Mechanics	*	*	*	*	*	*	*	n/a	9
49-3052	Motorcycle Mechanics	*	*	*	*	*	*	*	n/a	9
49-3053	Outdoor Power Equip. & Small Engine Mechanic	48	52	4	8.3	0	1	1	12.55	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	n/a	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	n/a	9
49-3093	Tire Repairers & Changers	127	122	-5	-3.9	0	5	5	8.54	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Installation, Maintenance & Repair Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
49-9000	Other Installation, Maintenance & Repair Occs.	4,077	4,571	494	12.1	50	88	138	n/a	n/a
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	n/a	10
49-9012	Control & Valve Install & Repair, Ex. Mech. Door	58	67	9	15.5	1	1	2	14.85	10
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	230	284	54	23.5	5	3	8	16.86	9
49-9031	Home Appliance Repairers	40	38	-2	-5.0	0	1	1	n/a	9
49-9041	Industrial Machinery Mechanics	817	855	38	4.7	4	17	21	20.72	9
49-9042	Maintenance & Repair Workers, General	1,807	2,047	240	13.3	24	35	59	15.28	10
49-9043	Maintenance Workers, Machinery	129	145	16	12.4	2	3	5	15.97	11
49-9044	Millwrights	58	59	1	1.7	0	1	1	n/a	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers & Repairers	256	278	22	8.6	2	8	10	19.28	9
49-9052	Telecommunications Line Installers & Repairers	124	152	28	22.6	3	3	6	14.93	9
49-9061	Camera & Photographic Equipment Repairers	*	*	*	*	*	*	*	n/a	10
49-9062	Medical Equipment Repairers	39	44	5	12.8	1	1	2	22.38	6
49-9063	Musical Instrument Repairers & Tuners	*	*	*	*	*	*	*	n/a	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	n/a	9
49-9069	Precision Instrument & Equip. Repairers, Other	*	*	*	*	*	*	*	n/a	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Rep.	59	63	4	6.8	0	1	1	12.87	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Ex. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths & Safe Repairers	*	*	*	*	*	*	*	n/a	10
49-9095	Manufactured Building & Mobile Home Installers	*	*	*	*	*	*	*	n/a	10
49-9096	Riggers	*	*	*	*	*	*	*	n/a	11
49-9097	Signal & Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	152	184	32	21.1	3	5	8	10.54	11
49-9099	Installation, Maint. & Repair Workers, All Other	214	246	32	15.0	3	5	8	21.34	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Production Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
51-0000 Production Occupations		17,605	18,510	905	5.1	144	424	568	14.66	n/a
51-1000	Supervisors, Production Workers	1,203	1,290	87	7.2	9	25	34	n/a	n/a
51-1011	Mgrs. of Production & Operating	1,203	1,290	87	7.2	9	25	34	23.31	8
51-2000	Assemblers & Fabricators	3,156	3,515	359	11.4	42	80	122	n/a	n/a
51-2011	Aircraft Structure, Surface, Rig & Sys. Assemb.	*	*	*	*	*	*	*	n/a	9
51-2021	Coil Winders, Tapers & Finishers	45	35	-10	-22.2	0	1	1	n/a	11
51-2022	Electrical & Electronic Equipment Assemblers	207	159	-48	-23.2	0	5	5	14.88	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2031	Engine & Other Machine Assemblers	81	84	3	3.7	0	2	2	n/a	11
51-2041	Structural Metal Fabricators & Fitters	339	370	31	9.1	3	8	11	15.73	10
51-2091	Fiberglass Laminators & Fabricators	*	*	*	*	*	*	*	n/a	10
51-2092	Team Assemblers	2,095	2,468	373	17.8	37	54	91	12.89	10
51-2093	Timing Device Assemblers, Adjust. & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers & Fabricators, All Other	*	*	*	*	*	*	*	12.05	10
51-3000	Food Processing Workers	706	763	57	8.1	6	17	23	n/a	n/a
51-3011	Bakers	119	139	20	16.8	2	3	5	10.16	9
51-3021	Butchers & Meat Cutters	209	210	1	0.5	0	5	5	12.71	9
51-3022	Meat, Poultry & Fish Cutters & Trimmers	*	*	*	*	*	*	*	n/a	11
51-3023	Slaughterers & Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3091	Food & Tobacco Roast., Baking, Dry. Mach. Ops.	201	222	21	10.4	2	6	8	12.30	11
51-3092	Food Batchmakers	84	91	7	8.3	1	2	3	13.95	11
51-3093	Food Cooking Machine Operators & Tenders	42	42	0	0.0	0	1	1	n/a	11
51-4000	Metal Workers & Plastic Workers	4,050	4,204	154	3.8	34	102	136	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators	289	317	28	9.7	3	5	8	16.55	10
51-4012	Numerical Tool & Process Control Programmers	44	46	2	4.5	0	1	1	19.42	9
51-4021	Extruding & Drawing Machine SOT^	545	434	-111	-20.4	0	18	18	15.63	10
51-4022	Forging Machine SOT^, Metal & Plastic	44	46	2	4.5	0	1	1	n/a	10
51-4023	Rolling Machine SOT^, Metal & Plastic	51	53	2	3.9	0	1	1	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-4031	Cutting, Punching & Press Machine SOT^	410	344	-66	-16.1	0	10	10	13.37	10
51-4032	Drilling & Boring Machine Tool SOT^	54	63	9	16.7	1	2	3	n/a	10
51-4033	Grind., Lapping, Polish. & Buff. Mach. Tool SOT^	143	155	12	8.4	1	3	4	14.29	10
51-4034	Lathe & Turning Machine Tool SOT^	181	213	32	17.7	3	4	7	13.53	10
51-4035	Milling & Planing Machine SOT^	87	101	14	16.1	1	2	3	14.81	10
51-4041	Machinists	668	784	116	17.4	12	16	28	15.41	9
51-4051	Metal-Refining Furnace Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-4052	Pourers & Casters, Metal	*	*	*	*	*	*	*	n/a	10
51-4061	Model Makers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4062	Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4071	Foundry Mold & Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Machine SOT^	184	187	3	1.6	0	5	5	n/a	10
51-4081	Multiple Machine Tool SOT^, Metal & Plastic	151	158	7	4.6	1	4	5	16.19	10
51-4111	Tool & Die Makers	48	55	7	14.6	1	1	2	19.21	9
51-4121	Welders, Cutters, Solderers & Brazers	832	906	74	8.9	7	24	31	16.49	9
51-4122	Welding, Soldering & Brazing Machine SOT^	152	173	21	13.8	2	4	6	14.62	10
51-4191	Heat Treating Equipment SOT^, Metal & Plastic	*	*	*	*	*	*	*	14.76	10
51-4192	Lay-Out Workers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4193	Plating & Coating Machine SOT^	78	77	-1	-1.3	0	2	2	n/a	10
51-4194	Tool Grinders, Filers & Sharpeners	*	*	*	*	*	*	*	n/a	10
51-4199	Metal Workers & Plastic Workers, All Other	*	*	*	*	*	*	*	n/a	10
51-5000	Printing Workers	1,052	1,028	-24	-2.3	2	26	28	n/a	n/a
51-5011	Bindery Workers	288	256	-32	-11.1	0	8	8	14.89	11
51-5012	Bookbinders	*	*	*	*	*	*	*	n/a	10
51-5021	Job Printers	67	65	-2	-3.0	0	2	2	n/a	9
51-5022	Prepress Technicians & Workers	100	88	-12	-12.0	0	2	2	15.03	7
51-5023	Printing Machine Operators	594	617	23	3.9	2	14	16	17.33	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-6000	Textile, Apparel & Furnishings Workers	1,213	1,172	-41	-3.4	11	24	35	n/a	n/a
51-6011	Laundry & Dry-Cleaning Workers	427	463	36	8.4	4	12	16	8.30	10
51-6021	Pressers, Textile, Garment & Related Materials	62	69	7	11.3	1	1	2	n/a	11
51-6031	Sewing Machine Operators	347	303	-44	-12.7	0	4	4	10.32	10
51-6041	Shoe & Leather Workers & Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	n/a	11
51-6052	Tailors, Dressmakers & Custom Sewers	*	*	*	*	*	*	*	n/a	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tends.	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6063	Textile Knitting & Weaving Machine SOT^	*	*	*	*	*	*	*	n/a	9
51-6064	Textile Winding, Twist. & Draw. Out Mach. SOT^	*	*	*	*	*	*	*	n/a	10
51-6091	Extruding & Forming Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6092	Fabric & Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	*	*	*	*	*	*	*	n/a	9
51-6099	Textile, Apparel & Furnishings Workers, Other	*	*	*	*	*	*	*	n/a	11
51-7000	Woodworkers	126	126	0	0.0	1	3	4	n/a	n/a
51-7011	Cabinetmakers & Bench Carpenters	64	70	6	9.4	1	2	3	16.61	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine SOT^, Wood	*	*	*	*	*	*	*	n/a	10
51-7042	Woodworking Machine SOT^	43	38	-5	-11.6	0	1	1	10.94	10
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-8000	Plant & System Operators	725	739	14	1.9	7	22	29	n/a	n/a
51-8012	Power Distributors & Dispatchers	40	49	9	22.5	1	1	2	n/a	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8021	Stationary Engineers & Boiler Operators	*	*	*	*	*	*	*	20.43	9
51-8031	Water & Liquid Waste Treat. Plant & Sys. Ops.	259	309	50	19.3	5	9	14	15.86	9
51-8091	Chemical Plant & System Operators	214	197	-17	-7.9	0	7	7	n/a	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	n/a	9
51-8099	Plant & System Operators, All Other	*	*	*	*	*	*	*	n/a	9
51-9000	Other Production Occupations	5,374	5,673	299	5.6	34	125	159	n/a	n/a
51-9011	Chemical Equipment Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-9012	Separate, Filter, Clarify, & Still Machine Ops.	36	38	2	5.6	0	1	1	16.61	10
51-9021	Crush, Grind & Polish Machine Setters & Ops.	*	*	*	*	*	*	*	16.25	10
51-9022	Grinding & Polishing Workers, Hand	45	41	-4	-8.9	0	1	1	n/a	10
51-9023	Mixing & Blending Machine SOT^	247	276	29	11.7	3	6	9	15.53	10
51-9031	Cutters & Trimmers, Hand	*	*	*	*	*	*	*	n/a	11
51-9032	Cutting & Slicing Machine SOT^	141	136	-5	-3.5	0	3	3	15.13	10
51-9041	Extruding, Form, Press & Compact Mach. Ops.	*	*	*	*	*	*	*	11.62	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tend.	*	*	*	*	*	*	*	n/a	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	916	921	5	0.5	1	21	22	15.90	10
51-9071	Jewelers & Precious Stone & Metal Workers	77	80	3	3.9	0	2	2	n/a	7
51-9081	Dental Laboratory Technicians	97	102	5	5.2	1	2	3	17.00	9
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	n/a	9
51-9083	Ophthalmic Laboratory Technicians	69	73	4	5.8	0	2	2	n/a	10
51-9111	Packaging & Filling Machine Ops. & Tenders	1,527	1,598	71	4.6	7	30	37	12.36	11
51-9121	Coating, Painting & Spraying Machine SOT^	202	218	16	7.9	2	5	7	13.35	10
51-9122	Painters, Transportation Equipment	41	45	4	9.8	0	1	1	18.45	9
51-9123	Painting, Coating & Decorating Workers	*	*	*	*	*	*	*	n/a	11
51-9131	Photographic Process Workers	*	*	*	*	*	*	*	n/a	10
51-9132	Photographic Processing Machine Operators	52	37	-15	-28.8	0	1	1	9.77	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-9191	Cementing & Gluing Machine Ops. & Tenders	36	39	3	8.3	0	1	1	n/a	10
51-9192	Cleaning, Washing & Metal Pickling Equip. Ops.	*	*	*	*	*	*	*	n/a	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9194	Etchers & Engravers	*	*	*	*	*	*	*	n/a	9
51-9195	Molders, Shapers & Casters, Ex. Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-9196	Paper Goods Machine SOT^	438	463	25	5.7	3	9	12	13.92	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	914	1,050	136	14.9	14	26	40	9.19	11
51-9199	Production Workers, All Other	295	312	17	5.8	2	7	9	12.14	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders
Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Transportation & Material Moving Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
53-0000 Transportation & Material Moving Occupations		21,133	24,114	2,981	14.1	318	481	799	17.57	n/a
53-1000	Supervisors, Transp. & Material Moving Work.	779	901	122	15.7	12	18	30	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	8
53-1021	Mgrs. of Helpers, Laborers & Mat. Movers, Hand	381	436	55	14.4	6	9	15	21.41	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	380	447	67	17.6	7	9	16	26.93	8
53-2000	Air Transportation Workers	1,944	2,273	329	16.9	33	52	85	n/a	n/a
53-2011	Airline Pilots, Copilots & Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	98	102	4	4.1	0	3	3	n/a	9
53-2022	Airfield Operations Spec.	*	*	*	*	*	*	*	n/a	9
53-3000	Motor Vehicle Operators	6,183	7,237	1,054	17.0	105	95	200	n/a	n/a
53-3011	Ambulance Drivers & Attendants, Ex. EMTs	*	*	*	*	*	*	*	10.38	10
53-3021	Bus Drivers, Transit & Intercity	283	346	63	22.3	6	6	12	n/a	10
53-3022	Bus Drivers, School	600	703	103	17.2	10	13	23	13.56	11
53-3031	Driver/Sales Workers	1,228	1,401	173	14.1	17	20	37	11.67	11
53-3032	Truck Drivers, Heavy & Tractor-Trailer	2,527	3,035	508	20.1	51	41	92	16.17	10
53-3033	Truck Drivers, Light or Delivery Services	1,018	1,114	96	9.4	10	9	19	13.26	11
53-3041	Taxi Drivers & Chauffeurs	424	513	89	21.0	9	4	13	10.13	11
53-3099	Motor Vehicle Operators, All Other	62	74	12	19.4	1	1	2	13.47	11
53-4000	Rail Transportation Workers	106	86	-20	-18.9	0	3	3	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	n/a	10
53-4021	Railroad Brake, Signal & Switch Operators	*	*	*	*	*	*	*	n/a	10
53-4031	Railroad Conductors & Yardmasters	*	*	*	*	*	*	*	n/a	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	10
53-5000	Water Transportation Workers	139	176	37	26.6	4	5	9	n/a	n/a
53-5011	Sailors & Marine Oilers	76	100	24	31.6	2	3	5	n/a	11
53-5021	Captains, Mates & Pilots of Water Vessels	53	63	10	18.9	1	2	3	23.66	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Northern Kentucky Area Occupational Employment Outlook

Transportation & Material Moving Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
53-6000	Other Transportation Workers	1,516	1,668	152	10.0	17	46	63	n/a	n/a
53-6011	Bridge & Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	98	87	-11	-11.2	0	3	3	9.75	11
53-6031	Service Station Attendants	47	53	6	12.8	1	2	3	7.19	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	11
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	16.95	11
53-7000	Material Moving Workers	10,466	11,773	1,307	12.5	147	262	409	n/a	n/a
53-7011	Conveyor Operators & Tenders	53	48	-5	-9.4	0	2	2	13.21	11
53-7021	Crane & Tower Operators	255	301	46	18.0	5	6	11	13.68	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	51	57	6	11.8	1	1	2	18.88	10
53-7033	Loading Machine Ops., Underground Mining	*	*	*	*	*	*	*	n/a	10
53-7041	Hoist & Winch Operators	*	*	*	*	*	*	*	n/a	10
53-7051	Industrial Truck & Tractor Operators	1,933	2,288	355	18.4	36	37	73	15.36	11
53-7061	Cleaners of Vehicles & Equipment	456	485	29	6.4	3	16	19	8.23	11
53-7062	Laborer & Freight, Stock & Material Mover, Hand	3,515	4,072	557	15.8	56	115	171	11.48	11
53-7063	Machine Feeders & Offbearers	373	338	-35	-9.4	0	10	10	11.17	11
53-7064	Packers & Packagers, Hand	3,267	3,727	460	14.1	46	61	107	9.69	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Ex. Wellhead Pumps	*	*	*	*	*	*	*	n/a	10
53-7073	Wellhead Pumps	*	*	*	*	*	*	*	n/a	10
53-7081	Refuse & Recyclable Material Collectors	90	104	14	15.6	1	2	3	11.03	11
53-7111	Shuttle Car Operators	*	*	*	*	*	*	*	n/a	11
53-7121	Tank Car, Truck & Ship Loaders	*	*	*	*	*	*	*	16.40	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

Postsecondary awards

(1) *First professional degree.* Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(5) *Bachelor's degree.* Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

(6) *Associate's degree.* Completion of the degree usually requires at least two years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term, on-the-job training.* More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations - insurance sales and securities sales, for example - trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term, on-the-job training.* Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

(11) *Short-term, on-the-job training.* Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

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Advertising & Promotions Managers	11
Advertising Sales Agents	34
Advertising, Marketing, Promotions, Public Relations, & Sales Managers	11
Aerospace Engineering & Operations Technicians	16
Aerospace Engineers	15
Agents & Business Managers of Artists, Performers, & Athletes	13
Agricultural & Food Science Technicians	18
Agricultural Engineers	15
Agricultural Equipment Operators	37
Agricultural Inspectors	37
Agricultural Sciences Teachers, Postsecondary	21
Agricultural Workers	37
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Air Transportation Workers	47
Aircraft Cargo Handling Supervisors	47
Aircraft Mechanics & Service Technicians	40
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Animal Scientists	17
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Broadcast Technicians	25
Brokerage Clerks	35
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Cargo & Freight Agents	36
Carpenters	38
Carpet Installers	38
Cartographers & Photogrammetrists	15
Cashiers	34
Cement Masons & Concrete Finishers	38
Cementing & Gluing Machine Operators & Tenders	46
Chefs & Head Cooks	30
Chemical Engineers	15
Chemical Equipment Operators & Tenders	45
Chemical Plant & System Operators	45
Chemical Technicians	18
Chemistry Teachers, Postsecondary	21
Chemists	17
Chief Executives	11
Child Care Workers	33
Child, Family, & School Social Workers	19
Chiropractors	26
Choreographers	24
Civil Engineering Technicians	16
Civil Engineers	15
Claims Adjusters, Examiners, & Investigators	13
Cleaners of Vehicles & Equipment	48
Cleaning, Washing, & Metal Pickling Equipment Operators & Tenders	46
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Commercial Divers	41
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Dental Laboratory Technicians	45
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Diagnostic Medical Sonographers	27
Dietetic Technicians	27
Dietitians & Nutritionists	26
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Electrical & Electronics Repairers, Commercial & Industrial Equipment	40
Electrical & Electronics Repairers, Powerhouse, Substation	40
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Financial Clerks	35
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First-Line Supervisors/Managers of Police & Detectives	29
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